Headquarters Air Mobility Command

AE OPERATIONAL TRAINING

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Enabling the "Global" in "Global Vigilance, Reach and Power!"

OVERVIEW

- AE FTU
  - Requirement
  - Concept
  - POM Submission
  - Initiative
- Universal AECM Qualification
  - AFI 11-2AE V 1,2,3
  - Concepts changes
  - Implementation
- AMC AE Training Way Ahead

FTU REQUIREMENT IDENTIFIED

- 1990 Operation Desert Storm After Action Reports Identified Problems:
  - Crew Readiness Shortfalls
    - 18 Months to Mission Ready
  - Personnel Training
    - Varying Levels of Proficiency
    - Standardization
    - AECM Interoperability
- Lessons Learned Recommended
  - Establish AE Schoolhouse
    - Vs In-Unit Training at 31 Locations
  - Standardize & Improve Training

FTU REQUIREMENT REVALIDATED

- 1994 AMC/SG
  - Revalidated Need for a “Standardized AE Schoolhouse”
- 1998 AMC AE Tiger Team
  - Re-engineered the AE system
  - Recommended the “AE Qualification Process be Streamlined Into a Formal, Centralized Schoolhouse-Based Qualification Program”
- 2001 AMC/A3 Assumed Responsibility For AE Mission
- 2003, AMC/CV Approved FTU “New Start” Initiative For 06 POM
  - Initiative Failed
  - Number 8 on Unfunded Priority List

AE FTU POM SUBMISSION

- **Past Efforts Have Not Survived POM Process**
  - **96 – 00 First POM Submission**
  - **Competition For Money is Fierce**
  - **Past POM Submissions Were Not “Direct”**
  - **Cost of Training “On Aircraft” Is Too High**
  - **AMC Staff Officers Concluded**
    - **FTU “Workarounds Are Available”**
    - **Continue In-Unit Training to Meet Mission Requirements**
- **2004, AECM’s Again Operating in a Contingency Environment**
  - **Outstanding AE System Performance**
  - **In Spite of a Lack of Standardized Training**

AE FTU CONCEPT

- **FTU Delivers a Fully Qualified AE Crew Member**
  - **Qualification Check Ride Accomplished in C-17 Sim**
  - **Student Reports to Home Unit "Universally" Qualified**
  - **No Aircraft Flights At FTU Required**
  - **Will Take Advantage of Opportune Flights When Available**
- **Home Unit Provides Orientation in Assigned Aircraft**
  - **Home Units Do Not Qualify AECMs**
  - **AMC Should Specify Number of Sorties to Avoid Lapsing Into Old Habit Patterns**
  - **Develop a Standardized Orientation Syllabus For Units**
    - **Units Add Local Procedures Training As Required**

AE FTU CONCEPT

- **Phase 1, Training @ Brooks AFB**
  - **6 Wks Academic, Survival & Altitude Chamber Training**

- **Phase 2, Aircraft Qualification Training @ Scott AFB**
  - **2 Week Flight Qualification Course**
    - **10 Classes Scheduled Annually**
    - **25 Students Per Class**
      - **10 Nurses & 15 Techs**
  - **AE Instructor Training**
  - **FTU Under AW**

- **8 Weeks to Mission Ready vs 18 Months**

AE FTU CONCEPT

- **Universal AECM Qualification Instruction**
  - **Classroom Training**
  - **CBT Instruction**
    - **C-17, C-130, KC-135, C-21 On Contract Now**
    - **B-767 Under Consideration**
  - **Simulation Training**
    - **C-17 AE Fuselage Sim**
      - **Motion**
      - **State-of-the-Art**
    - **C-130 Fuselage Trainer**
      - **Fixed – No Motion**

UNIVERSAL AECM

- **MR AECM Able to Care/Transport a Patient on any MAF Airframe**
  - **Concept Focus of Patient Care on All Airframes**
  - **Integration of Oxygen, Electrical Systems and Stanchions of All C-130, C-17, and KC-135 Airframes**

    (C-21 as Required)

- **Phase III Message – 1 July 05 Launch**

UNIVERSAL AECM

- AFI 11-2AE V1 IC
  - Table 3.1 and 4.1
    - CBTs added to
    - G-series egress
- AFI 11-2AE V2 IC AE Aircrew Evaluation Criteria
  - Changes to Evaluation Process
    - Testing
    - Eval
- AFI 11-2AE V3 AE Operations Procedures
  - Incorporates all 11-MDS Vol 3's and the Universal Checklist
- AFI 11-2AE V3 Addenda A

UNIVERSAL AECM

- **Initial Upgrade Process**
  - **Incorporated Into Table 3.1**
    - **Computer Based Training (CBT) – CD-Rom or Web-Based Completed Prior to Initial Evaluation**
    - **G-Series Egress Training Prior to Enplaning First Patient**
    - **AF Form 4024 – Changes Made to incorporate**

      AFI 11-2AE and Universal Qualification
- **Concurrent Training**
  - **Incorporated CBTs Into Table 4.1**

AE TRAINING WAY AHEAD

- **In-Unit Training - <u>Consistency</u>**
  - **31 Units – Need Consistent Upgrade Training Plans/Lesson plans**
    - **Baseline at USAFSAM**
    - **In-Unit Upgrade utilizing Lesson Plans**
    - **ARM Missions Need to be Realistic to Operational Missions for All Phases of Mission**
    - **ARM/MCC Lesson Plans/Check-lists/Algorithms**
  - **Master Training Plans for Upgrade and Continuation**
- **FTU**
  - **Complete AE FTU Concept of Operations**
  - **Conduct a Training System Requirements Analysis (TSRA)**
  - **Resubmit in 08 POM Cycle**

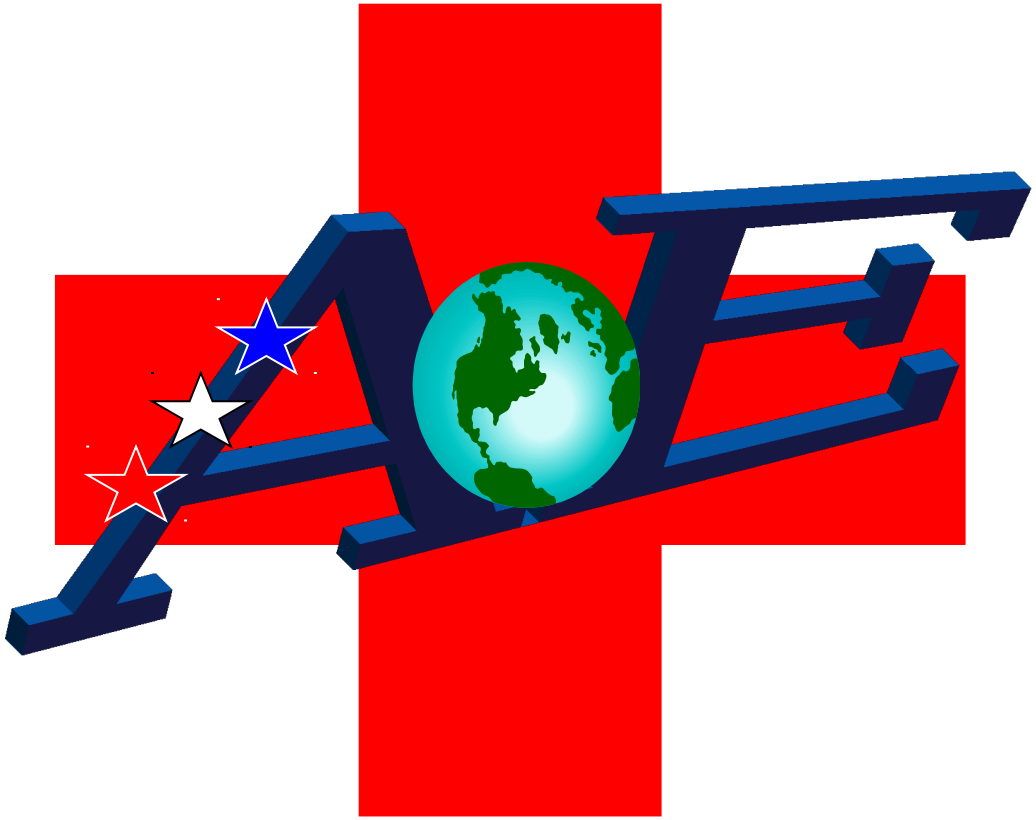
AMC ACTION ITEMS

- **Universal AE MAR**
- **Aeromedical Readiness Mission (Trainer)**
  - **Lesson Plans/Checklists/Algorithms**
  - **Standard Training Plans to Meet Table 4.4**
- **Upgrade Lesson Plans**
- **AF Form 4024**
  - **Universal AECM updates**
  - **New AFI Updates**

SUMMARY

- AE FTU
- Universal AECM Incorporation
- AMC AE Training Way Ahead
- AMC Action Items

QUESTIONS?



SIM TRAINING EXAMPLES

- **Commercial Airlines**
  - **All Training in Sim**
  - **First Flight on Aircraft With Passengers**
- **C-17 Training**
  - **Initial Qualification Training at Altus AFB**
    - **Two Flights in Aircraft**
    - **Then Check Ride**
  - **Initial and Annual Instrument Qualification Evals**
  - **80% Of Key Events (T.O., Ldg, Inst App, Refresher, Rcvr AR, Assault Ldgs) Accomplished in Simulator**
  - **40% Of Tactical Training Requirements**
  - **DMO/DMT: Currently Used For Formation Trng**